IN THE SPECIFICATION

On pages 4 and 5, amend the paragraph bridging those pages as follows:

In accordance with the present invention, there is provided a self-expanding stent and stent delivery system. The stent delivery system includes an elongated delivery catheter having a lumen extending therethrough. Disposed within the lumen of the delivery catheter is an elongated core member. The elongated core member includes a proximal cylindrical member and a distal cylindrical member, both disposed at the distal portion of the core member. The distal cylindrical member is generally positioned distally of the proximal cylindrical member and spaced apart from the proximal cylindrical member to define a gap having predetermined length. A self-expanding stent is comprised of a small diameter skeletal tubular member having a thin wall [[With]] with a plurality of cells which are formed by a plurality of interconnected strut members. A cylindrical anchor member is placed on one of the strut members and has a length less than the length of the gap between the proximal cylindrical member and the distal cylindrical member. The self-expanding stent is mounted and compressed onto the elongated core member and is aligned such that the cylindrical anchor member is interlocked within the gap between the proximal cylindrical member and the distal cylindrical member. The self-expanding stent is mounted and compressed onto the elongated core member and is aligned such that the cylindrical anchor member is interlocked within the gap between the proximal cylindrical member and the distal cylindrical member to thereby retain the stent in a position on the elongated core member. An actuatable retaining ring member is placed around the distal end of the self-expanding stent and [[served]] serves to hold the distal end of the stent in its compressed state. Upon actuation, such as by heating, the retaining ring member yields thereby releasing the distal end of the compressed stent with the result that the stent expands into contact with the inside wall of a blood vessel.

On pages 8 and 9, amend the paragraph bridging those pages as follows:

Slidably disposed within the delivery lumen 7 is an elongated core wire 14. Disposed about the elongated core wire 14 are a proximal cylindrical member 16 and a distal cylindrical member 18, both of which may take the form of a helical coil. A self-expanding [[sent]] stent 20 is mounted on the elongated core wire 14. The proximal and distal cylindrical members 16, 18 are spaced apart to form a gap between the cylindrical member and serve as stop members extending radially outward from the core wire 14 to engage the stent 20 in order to prevent longitudinal movement of the stent relative to the core wire 14. A proximal actuatable retaining ring 19 and a distal actuatable retaining ring 21 extend around the proximal and distal portions, respectively, of the stent 20 and serve to restrain the stent in a compressed state. The actuatable retaining rings are caused to yield and then sever upon the application of an electrical current which is applied through a power source 23. The construction and operation of the actuatable retaining rings 19, 21 are shown in more detail in Figures 2 and 2a.